

REMARKS/ARGUMENTS

Applicant responds herein to the Office Action dated January 26, 2007.

Applicant's attorneys appreciate the Examiner's continued thorough search and examination of the present patent application.

Claims 2-9 are pending in this application. Claims 2-9 have been rejected.

Claims 2, 6 and 8-9 stand rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 5,668,464 to Krein et al. ("Krein").

Claims 3-5 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Krein in view of U.S. Patent No. 6,593,751 to Takahashi ("Takahashi").

Claim 7 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Krein.

Reconsideration and withdrawal of these rejections are respectfully requested.

Claim 8 was amended to better recite the limitations of the present application and new claims 10-13 were added. Support for the claim amendments is found on page 4 of the application. No new matter was added.

At page 4, lines 7- 13, with reference to FIG. 2, the present application describes the active EMI filter as follows:

The active EMI filter includes an amplifier stage comprising two transistors Q1 and Q2. The transistors Q1 and Q2 have their collectors connected together through a resistor R1 and capacitor C1 coupled to the ground return line which couples the input and output grounds. The active EMI filter cancels the common mode current which flows between the input and output, that is, between terminals A and B and terminals OUT1 and OUT2. A current transformer CT is provided having two primaries CT1 and CT2

Amended independent claim 8 is directed to a circuit arrangement comprising a power transistor switching stage providing an output voltage and an active EMI filter having first and second input terminals and first and second output terminals. The input terminals of the active EMI filter being connected to receive the output voltage of the power transistor switching stage and the output terminals of the active EMI filter providing a filtered output voltage. Claim 8 recites that "the active EMI filter cancels common mode current that flows between the terminals and the output terminals, substantially eliminating any current due to the common mode current in the ground return line connected to the ground return line terminal".

Krein does not disclose an active EMI filter. The Examiner references a feedforward active filter 12 incorporated into the Krein's buck converter. However that filter does not include features of the active EMI filter recited in amended claim 8. Specifically, Krein does not teach or suggest a filter "having first and second input terminals and first and second output terminals and a ground return line connected to a ground return line terminal" and further does not suggest that the feedforward active filter 12 "cancels common mode current that flows between the terminals and the output terminals, substantially eliminating any current due to the common mode current in the ground return line connected to the ground return line terminal" as in claim 8. Thus, Krein does not anticipate the recitations of amended claim 8.

In rejecting claims 3-5, the Examiner references Takahashi as teaching an active EMI filter comprising an active EMI filter amplifier for controlling a two transistor switching stage. Claim 3 was amended to better describe the transistors included in the claimed active EMI filter as "having a second terminal coupled to a control terminal via a secondary winding". Contrarily, the non-interconnected terminals of the Takahashi transistors are shown connected to the DC bus and the ground. Thus, Takahashi does not anticipate the recitations of amended claims 3-5 and the combination of Krein and Takahashi does not make these claims obvious.

Claims 2-7 and 9-13 depend directly or indirectly from above discussed independent claim 8 and are, therefore, allowable for the same reasons, as well as because of the combination of features in those claims with the features set forth in the respective independent claims.

In view of the above, it is submitted that all claims in this application are now in condition for allowance, prompt notification of which is requested.

THIS CORRESPONDENCE IS BEING
SUBMITTED ELECTRONICALLY THROUGH
THE PATENT AND TRADEMARK OFFICE EFS
FILING SYSTEM ON April 25, 2007.

Respectfully submitted,



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